|     | Index of Claims   |          |          |                    |             |                |          |                 |            |          |            |          |          | Application No. |           |        |          |        |          |          |            |                | Applicant(6) |         |              |              |          |           |          |   |     |
|-----|-------------------|----------|----------|--------------------|-------------|----------------|----------|-----------------|------------|----------|------------|----------|----------|-----------------|-----------|--------|----------|--------|----------|----------|------------|----------------|--------------|---------|--------------|--------------|----------|-----------|----------|---|-----|
|     |                   |          |          |                    |             |                |          |                 |            |          |            |          |          | 09/848,923      |           |        |          |        |          |          |            |                | HAHN ET AL.  |         |              |              |          |           |          |   |     |
|     |                   |          |          |                    |             |                |          |                 |            |          |            |          |          | Examiner        |           |        |          |        |          |          |            | Art Unit       |              |         |              |              |          |           |          |   |     |
| •   |                   |          |          |                    | }           |                |          |                 |            |          |            |          |          |                 |           |        |          |        |          |          |            |                |              |         |              |              |          |           |          |   |     |
|     |                   | —        |          | 111111             | 411         | ILLE           |          | 1111 W          | DILLI      |          |            |          | <u>ا</u> | Alpus H. Hsu    |           |        |          |        |          |          |            |                | 2665         |         |              |              |          | 1_        | • •      |   |     |
|     |                   | Г        | _        |                    |             | ר              | ſ        |                 |            |          |            |          |          |                 |           |        |          |        |          |          |            |                |              |         |              |              |          |           |          |   |     |
|     | √ Rejected        |          |          |                    |             |                |          | (Through numeri |            |          |            |          | erai     | N Non-Elect     |           |        |          |        | ted      |          | A          |                | Αp           | pe      | al           |              |          |           |          |   |     |
|     |                   |          |          |                    |             |                | ł        | +               |            |          |            |          |          |                 |           |        |          |        | ł        | Ĥ        |            |                |              |         |              |              |          |           |          |   |     |
|     | = Allowed         |          |          |                    |             |                |          | +               | Restricted |          |            |          |          | . I Interferen  |           |        |          | 168    |          | 0        | O Objected |                |              |         |              |              |          |           |          |   |     |
|     |                   |          |          |                    |             |                |          |                 |            |          |            |          |          |                 |           |        |          |        |          | )        | لـــا      |                |              |         |              |              | •        |           |          |   |     |
|     | Claim             | 13       |          |                    | Date        |                |          |                 | Claim      |          | 3          | n .      |          | Dat             |           | _      |          |        |          | Clair    | alm        | Γ.             | Date         |         |              |              |          | ] .       |          |   |     |
|     | <u> </u>          | 1        | 16       | 9                  | 8           | 1              |          | 1               | 11         | ੜ        | naî        |          | 1        |                 |           |        | Н        |        |          | =        | 쿌          |                | -            | 1       | 1            |              |          | 1         |          |   |     |
|     | Final<br>Original | 3        | B        | K                  | 7           | Į.             |          | 1               |            | Final    | Original   |          |          |                 |           |        | П        | ı      |          | Final    | Original   |                | 1            | ı       |              |              | П        |           | 1        |   |     |
|     |                   | F.       |          | _                  | 7           | <del> </del> - | Н        | ╀               | ┨╏         |          | 51         | 4        | +        | +               | $\dashv$  | _      | Н        | +      | ┦        |          | 101        | Н              | 4            | +       | ╀            | Ļ            | Ц        | $\bot$    | 4        |   |     |
|     | 2                 | ľ        | Ħ        | $\dot{\mathbb{H}}$ | Ĭ           | 土              |          |                 | J t        |          | 52         | $\pm$    | +        | H               | $\dashv$  |        | $\vdash$ | +      | 1 1      |          | 102        | Н              | +            | ╁       | ╁            | ┝            | Н        | ┰         | ┨        |   |     |
|     | 3                 | H        | Ш        | $\prod$            | $\parallel$ | Τ.             | П        |                 | 7 [        |          | 53         | $\Box$   | I        | П               |           |        |          | I      | ] ]      |          | 103        |                | I            | 1       |              |              |          | 工         | ]        |   |     |
|     | 5                 | H        | -        | ╫                  | ╫╴          | +              | ┤┤       | ╁               | ┨┠         |          | 54<br>55   | $\dashv$ | ╁        | ╁┤              | $\dashv$  | -      | +        | ┿      | ┥╏       |          | 104        | $\vdash$       | ┿            | ╁       | ╁┈           | -            | ╌┤       | +         | -{       |   |     |
|     | 6                 | П        | И        | या                 | 4           |                | П        | 工               | ] [        |          | 56         |          | I        | П               |           |        |          | 土      | 1        |          | 105        |                |              | 士       | 上            |              |          | 土         | <u>j</u> |   |     |
|     | 8                 | ₩        | Н        | +                  | ╁           | ╀              | $\vdash$ | ╫               | ┨╏         |          | 57<br>58   | +        | ╀        | ┦┤              | 4         | _      | $\dashv$ | +      | 1 1      |          | 107<br>108 | Н              | -            | F       | $oxed{\Box}$ | $oxed{\Box}$ |          | $\top$    | ₹ .      |   |     |
|     | 9                 | ፗ        | U        | 以                  |             |                |          | 土               | 1 t        |          | 59         |          | 土        |                 |           |        |          | +      | 1        |          | 109        | $\vdash$       | +            | +       | ╁            | ╁╴           | H        | ╁         | 1        |   |     |
|     | 10                | Н,       | Ш        | #                  | 4           | ⊢              | H        | -               | }          |          | .60<br>61  |          | Ŧ        | $\Box$          | 4         |        | $\Box$   | I      | ] [      |          | 110        | $\Box$         | 7            | T       |              |              |          | $\perp$   | 1        |   |     |
|     | 12                | Ш        | Ш        | ##                 | +           | 1              | H        | +               | 1 H        | -        | 62         | +        | ┿        | ╁┤              | ┥         | ┪      | $\dashv$ | ╁      | ┨╏       |          | 111        | $\dashv$       | ┿            | ╀       | ╀            | $\vdash$     | H        | +         | -        |   |     |
|     | 13                | Ш        | Щ        | $\prod$            | Į.          | $\Box$         | $\Box$   | T               | ] [        |          | 63         |          |          | П               | $\Box$    | $\Box$ | $\Box$   | 工      | 1 [      |          | 113        |                | 土            | 土       |              |              | Ħ        | 士         | j        | • |     |
|     | 14                | ₩        | H        | Н                  | ╁           | ╂┤             | ┝┼       | +               | ┨┠         | $\dashv$ | 64<br>65   | +        | ┿        | H               | +         | 4      | +        | +-     | ┨╏       |          | 114<br>115 | -              | +            | +       | $\vdash$     | Ц            | Н        | _         | ]        |   |     |
| •   | 16                | Ц        | Ø        | ᄓ                  | 4           | 口              |          | $\perp$         | 1 [        |          | 66         | 土        | 上        |                 | ╛         | ╛      | 1        | 土      | <u> </u> |          | 116        |                | +            | $^{+}$  |              | Н            | Н        | +         | ┨        |   |     |
|     | 78                | Н        | Н        | +                  | ╁           | ╀┤             | $\dashv$ | ┿               | ┨╏         |          | 67<br>68   | +        | ╀        | Н               | $\dashv$  | 4      | 4        | 4-     | } [      |          | 117        | $\Box$         | T            | $\perp$ | П            |              | П        | $\Box$    | ]        |   |     |
|     | 19                | Ш        | 乊        | प्र                | _           |                |          | 士               | jt         |          | 69         | $\pm$    |          |                 | 7         | 1      | $\pm$    | +      | ┪┟       |          | 118<br>119 | ┪              | +            | ╁       | H            | Н            | $\dashv$ | ╁         | 4        |   |     |
|     | 20                | Н        | Н        | <del>     </del>   | 1           | Н              |          | +               | }          | _        | 70<br>71   | -        | $\perp$  | П               | 4         | 4      | $\Box$   | Ţ      | ] [      |          | 120        | $\dashv$       | T            | T       |              |              | $\Box$   | 1         | 1        |   |     |
|     | 22                | Ш        | Ш        | Ш                  |             |                |          | $\pm$           | 1 t        |          | 72         | +        | ╁        | H               | +         | ┪      | +        | ╁      | ┨╏       | $\dashv$ | 121        | $\dashv$       | +-           | ╁       | H            | Н            | $\dashv$ | ╅         | -{       |   |     |
|     | 23                | Ш        | $\prod$  | Ш                  | F           | П              | 4        | $\bot$          | ] [        |          | 73         |          | I        | П               | 7         | _      | $\Box$   | 1      | ן נ      |          | 123        |                | 丄            |         |              |              |          | 土         | 1        |   |     |
|     | 25                | Н        | H        | HH                 | ╁           | ╁┪             | +        | +               | 1 F        |          | 74<br>75   | +        | ╁        | ╂╌╂             | +         | +      | +        | ╀      | 1 }      |          | 124<br>125 | $\dashv$       | +            | ╀       | Н            | Н            | -        | +         |          |   |     |
|     | 26                | П        | V,       | 70                 | $\top$      | П              | $\Box$   |                 | ן ו        |          | 76         | 丁        | İ        |                 | 士         | I      | I        | 上      | 1 t      | $\Box$   | 126        | $\exists$      | $\pm$        | $\pm$   | Н            |              | +        | ╅         | 1.       |   |     |
|     | 2%<br>28.         | Н        | $\dashv$ | ╁                  | ╄           | ┤┤             | +        | ╁               | -          | -        | 77<br>78   | +        | ╀        | H               | 4         | 4      |          | 1      | ] [      | $\dashv$ | 127<br>128 | 7              | $\top$       | Ł       | П            | П            | $\Box$   | $\bot$    | ]`       |   |     |
| ·   | 29                | Ш        | <u>u</u> | V C                | 上           | $\Box$         | $\perp$  |                 |            |          | 79         | 士        | t        |                 | $\dagger$ | 1      | 十        | +      | 1        | $\dashv$ | 129        | $\dashv$       | ╁            | ╫       | Н            | Н            | $\dashv$ | ┿         | 1        |   | -   |
|     | 30<br>31          | Ш        | 4        | JV.                | }           | Н              | +        | ŀ               | ▍┝         |          | 80<br>81   | $\perp$  | $\vdash$ |                 | 4         | 4      | $\perp$  | T      | 1 [      |          | 130        | 7              | T            | $\Box$  |              | $\Box$       | $\Box$   | $\bot$    | 1        |   |     |
|     | 32                | Щ        | 1        |                    | 上           |                | $\pm$    | $\pm$           |            |          | 82         | +        | +        | H               | 7         | +      | 十        | ╁      | ┨┠       |          | 131<br>132 | +              | +            | ╁       | Н            | $\dashv$     | $\dashv$ | ╁         | 1        |   |     |
| 1   | 33<br>34          | 7        | -        | +:                 | -           | -1             | -        | $\Box$          | ΙF         | _        | 83         | -        |          | $\Box$          | 7         | $\Box$ | I        |        |          |          | 133        | 工              | 工            |         | 口            |              | 士        | 土         | ]        |   |     |
| Ì   | 35                |          | $\perp$  | $\pm$              | H           |                | 十        | +               | -          |          | 84<br>85   | +        | +-       | ╁               | ╁         | +      | ╁        | ╀      | ╽┟       |          | 134<br>135 | +              | ╁            | -       | Н            | +            | +        | ╁         | ┨        |   |     |
| - 1 | 36                | $\Box$   | Ţ        | Ţ                  |             |                | 1        | $\Box$          |            |          | 86         | 工        |          |                 | 士         | #      | 土        |        |          | $\Box$   | 136        | 士              | 土            |         | Ħ            | 1            | $\pm$    | +         | 1        |   |     |
| ŀ   | 37                | $\dashv$ | +        | ╁                  | Н           | ╁              | ╬        | +               | l ⊦        |          | 87<br>88   | +        | ╀┤       | 4               | +         | +      | +        | +-     | l F      |          | 137<br>138 | 4              | $\bot$       | П       | $\Box$       | $\exists$    | 4        |           | ļ        |   |     |
| ļ   | 39                | コ        | #        | 1                  |             |                |          | 口               |            |          | 89         | 1        |          |                 | 1         | 1      | 士        | $\Box$ |          |          | 139        | ┿              | ╁╌           |         | H            | +            | ╅        | ╁         | 1        |   |     |
| }   | 40                | ╁        | +        | +-                 | Н           | -              | - -      | +               |            |          | 90<br>91   | Ţ        | П        | $\dashv$        | 7         | 4      | Ţ        |        |          |          | 140        | 7              | I            | П       |              | $\Box$       | 丰        | $\bot$    | l        |   | J   |
| į   | 42                | 士        | 士        | 士                  | H           |                | $\pm$    | H               | <br> -     |          | 91         | _        | Н        | +               | +         | +      | +        | Н      | -        |          | 141        | +              | ╀            | Н       | +            | +            | ┿        | +         | ł        |   | Ì   |
| }   | 43                | 4        | $\mp$    | F                  | П           | $\dashv$       | Ŧ        | 口               |            |          | 93         | 工        | 口        | ユ               | 丰         | #      | T        | 口      |          |          | 143        | #              |              |         | 二            | $\exists$    | 土        | 上         |          |   |     |
| t   | 45                | 士        | 士        | $\pm$              | H           | +              | +        | ╁┤              | -          | _        | 94  <br>95 | +        | ┥        | +               | +         | +      | +        | ╀┤     | $\vdash$ |          | 144<br>145 | ╀              | ╂-           | Н       | 4            | 4            | +        | <u> </u>  | 1        |   | ı   |
| Ę   | 46                | 7        | Ŧ        | F                  | П           | $\exists$      | 1        | H               |            |          | 96         | 工        | 口        | 士               | 丰         | #      | 丰        | 口      | E        |          | 146        | 士              | 上            |         | 士            | 士            | $\pm$    | $\pm$     |          |   | - [ |
| ŀ   | 48                | +        | $\pm$    | +-                 | $\vdash$    | +              | +        | H               | -          |          | 97<br>98   | +        | ╟┤       | ┿               | ╀         | +      | +        | Н      | -        |          | 147<br>148 | ${\downarrow}$ | $\vdash$     | Ц       | 4            | 7            | 1        | $\Box$    |          |   |     |
| þ   | 49                | 7        | T        |                    | $\square$   | $\Rightarrow$  | 工        | 口               |            |          | 99         |          |          | 一:              | 土         | 1      | 土        | Ħ      | E        |          | 149        | 1              |              | H       | 士            | +            | +        | H         | į        |   |     |
| L   | 50                |          |          | 1_                 |             | ㅗ              | ŀ        | Ш               | L          |          | 00         |          | Щ        |                 | L.        |        | Ŀ        |        |          | $\Box$   | 150        | Ι              | $\Box$       |         | $\perp$      | Ι            | Ι        | $\square$ |          |   | - 1 |